



## SERVICE PARTS LIST

BULLETIN NO.  
54-40-2600

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

REVISED BULLETIN

DATE  
Aug. 2014

### CORDLESS 18V COMPACT BAND SAW

WIRING INSTRUCTION

SEE PAGES 5, 6, 7 & 8

EXAMPLE:  
Component Parts (Small #)  
Are Included When Ordering  
The Assembly (Large #).

CATALOG NO. 2629-20

STARTING  
SERIAL NO.

C14A

FIG. PART NO. DESCRIPTION OF PART  
35 06-82-5574 10-24 x 7/8" Pan Hd. Tapt. T-25 Screw  
36 06-82-0035 M5 Pan Hd. T-20 Screw  
39 Deck  
47 Brush Card  
48 22-56-0150 Wire Nut (C1 & C2)

NO. REQ.

(7)  
(3)  
(1)  
(1)  
(2)

50 18-01-3015 Service Field  
52 16-01-3091 Service Armature  
53 05-78-0305 Switch Screw  
54 45-88-1890 Spring Washer  
55 06-82-5320 8-32 x 5/8" Pan Hd. Slit. Tapt. T-20 Screw  
56 28-28-0060 Diaphragm  
57 02-04-0645 Ball Bearing  
58 1st Gear  
59 Ball Bearing  
60 2nd Bevel Pinion  
61 Bevel/Spur Gear  
62 Needle Bearing  
63 Gearcase  
64 02-04-0135 Ball Bearing  
66 45-30-0255 Rubber Slug  
67 3rd Gear  
68 Pulley Shaft  
69 43-96-0105 Key  
70 02-04-1525 Ball Bearing  
71 45-88-0406 Washer  
72 28-14-0180 Bearing Plate Bottom  
73 06-82-7261 6-19 x 11/16" Pan Hd. Slit. Plast. T-15 Screw  
74 06-82-7270 8-16 x 5/8" Pan Hd. Slit. Plast. T-20 Screw  
75 Handle - Left  
76 40-50-0650 Compression Spring  
77 Terminal Block Assembly  
78 42-55-0100 Carrying Case  
79 06-82-5294 1/4-20 x 3/4" Pan Hd. Tapt. T-30 Screw  
80 23-66-1000 Switch  
81 06-82-7251 8-16 x 3/8" Pan Hd. Slit. Plast. T-20 Screw  
82 Lock-Off Shuttle  
83 40-50-0665 Detent Spring  
84 10-20-1865 LED Label  
85 PCB  
86 Handle - Right  
87 06-82-0045 3/8"-16 UNC-3A Hex Recess Screw  
88 31-44-0095 Front T-Handle  
89 06-82-5316 8-32 x 1/2" Pan Hd. Slit. Tapt. T-20 Screw  
90 45-88-0825 Washer  
91 Motor Cover  
92 Wire Assembly  
93 LED Switch Box  
94 31-44-0305 Handle Kit  
95 31-15-0205 Motor Cover Assembly  
96 28-90-0015 Deck Assembly  
105 Bevel Pinion Assembly } ORDER AS A SET (1)  
106 Bevel/Spur Gear Assy. } Cat. No. 32-05-2629 (1)  
107 14-73-0040 Pulley Gear Assembly (1)  
108 14-30-0050 Top Gearcase Assembly (1)  
109 45-24-0055 Shuttle Lock-Off Kit (1)  
110 14-20-0025 Electronics Kit (1)  
113 05-88-0928 M3 x 5mm Pan Hd. T-10 Screw (2)  
114 45-88-1980 Spring washer (2)  
115 Leadwire Assembly - Red (1)  
116 Leadwire Assembly - Black (1)  
117 14-46-2397 Leadwire/Screw/Washer Kit (1)  
118 14-46-2016 Brush Card Assembly (1)

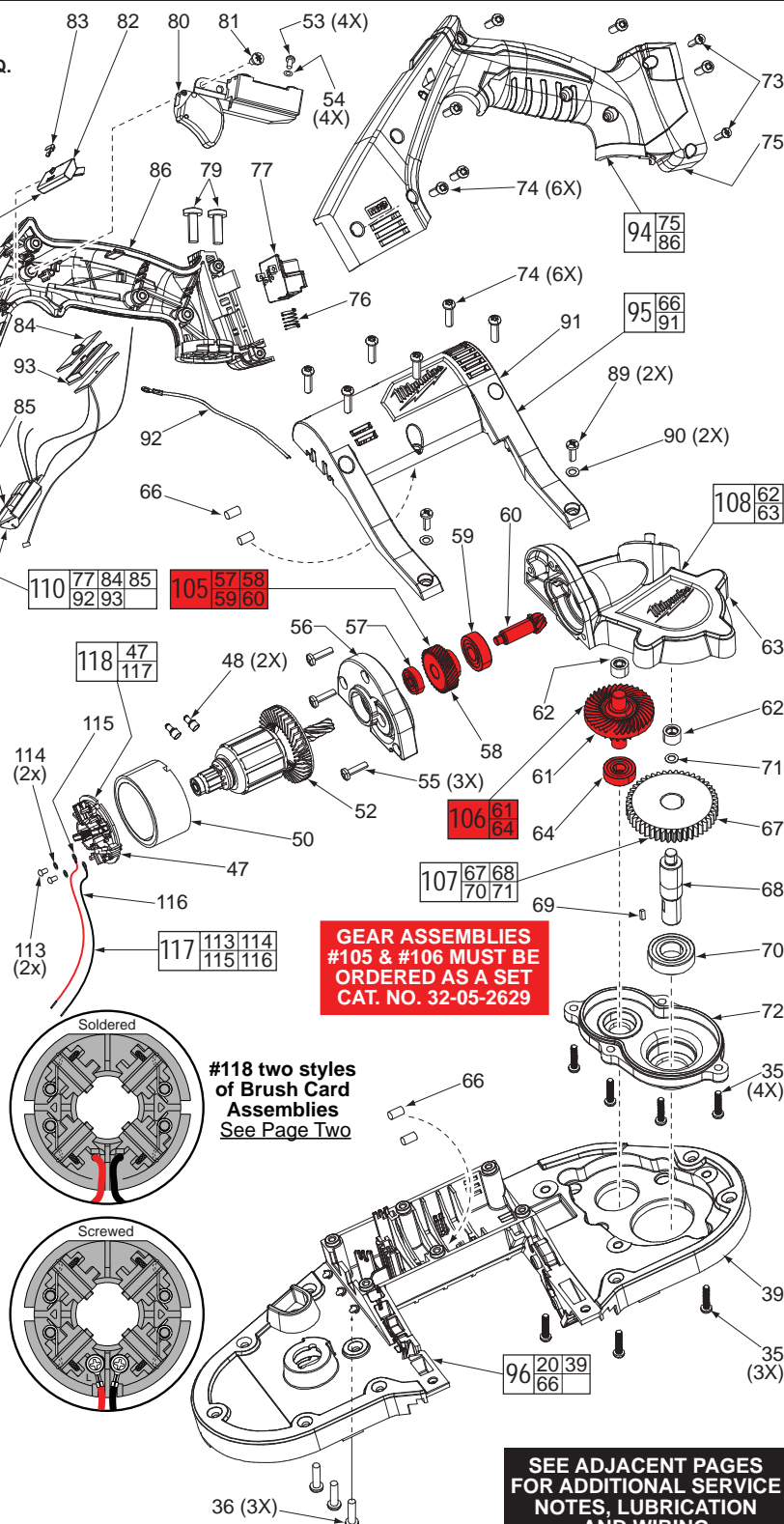
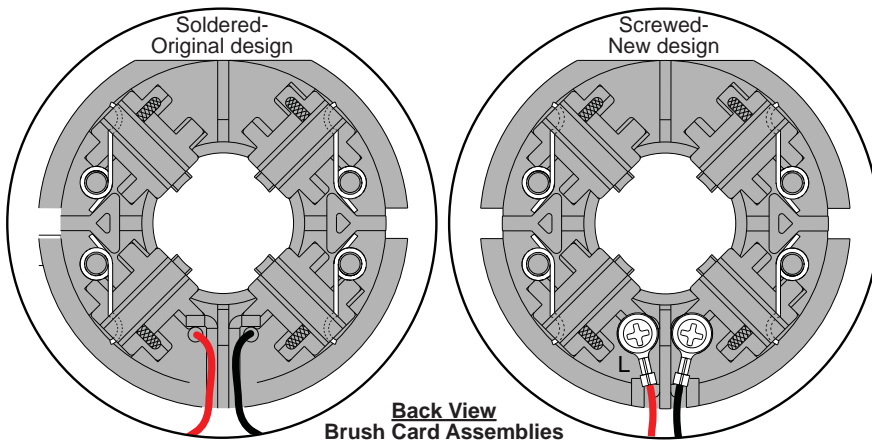


FIG. NOTE:  
64,70 Orient the Ball Bearings so the seal faces the gears.

68 Apply approximately .1g Loctite® C5-A Copper Anti-Seize (or equivalent) to bottom portion of Pulley Shaft that fits into Rear Pulley (4).

MILWAUKEE ELECTRIC TOOL CORPORATION  
13135 W. LISBON RD., BROOKFIELD, WI 53005

Drwg. 8



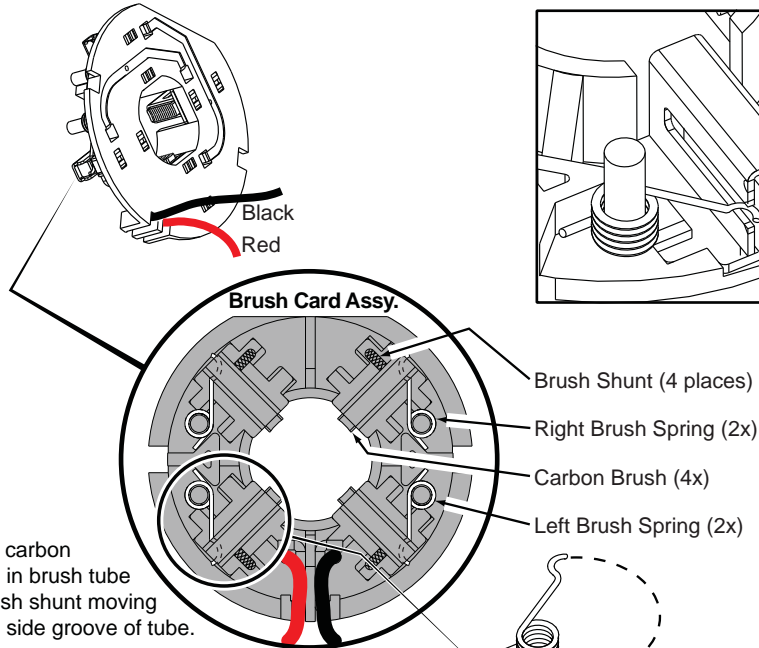
**NOTE:**

There are two Brush Card Assembly designs.

On the original brush card design the red and black wires that go to the switch are soldered on the brush card.

On the new brush card design the red and black wires that go to the switch are secured to the brush card with spring washers and screws.

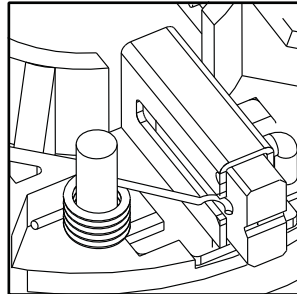
The new brush card design is **directly interchangeable** in tools that have the old brush card design.



Be sure carbon brush is in brush tube with brush shunt moving freely in side groove of tube.

Place brush spring over post with short leg positioned downward as shown. Be sure spring is completely down with short leg trapped against 'Y' shaped wall on brush card.

While holding spring in place, bring the long leg of spring over the brush tube and through rear opening of tube. Position rounded hook of spring in groove on back of carbon brush. Be sure to check for free movement between carbon brush, brush shunt and brush spring.



**NOTE:**

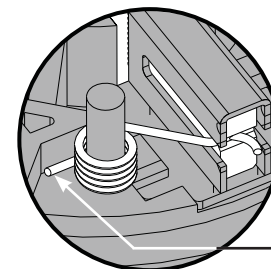
As an aid to prevent damage to the armature commutator or the brushes when removing and installing the armature assembly, it is recommended to pull the carbon brushes partially back into the brush tube. The carbon brushes will be held in place with the brush spring moving from the rear of the brush to the side of the brush.

In the unlikely event that the spring pops off follow the instructions below.

Wrong



Correct



Short leg of spring to the bottom

★ = Part number change  
from previous  
service parts list.

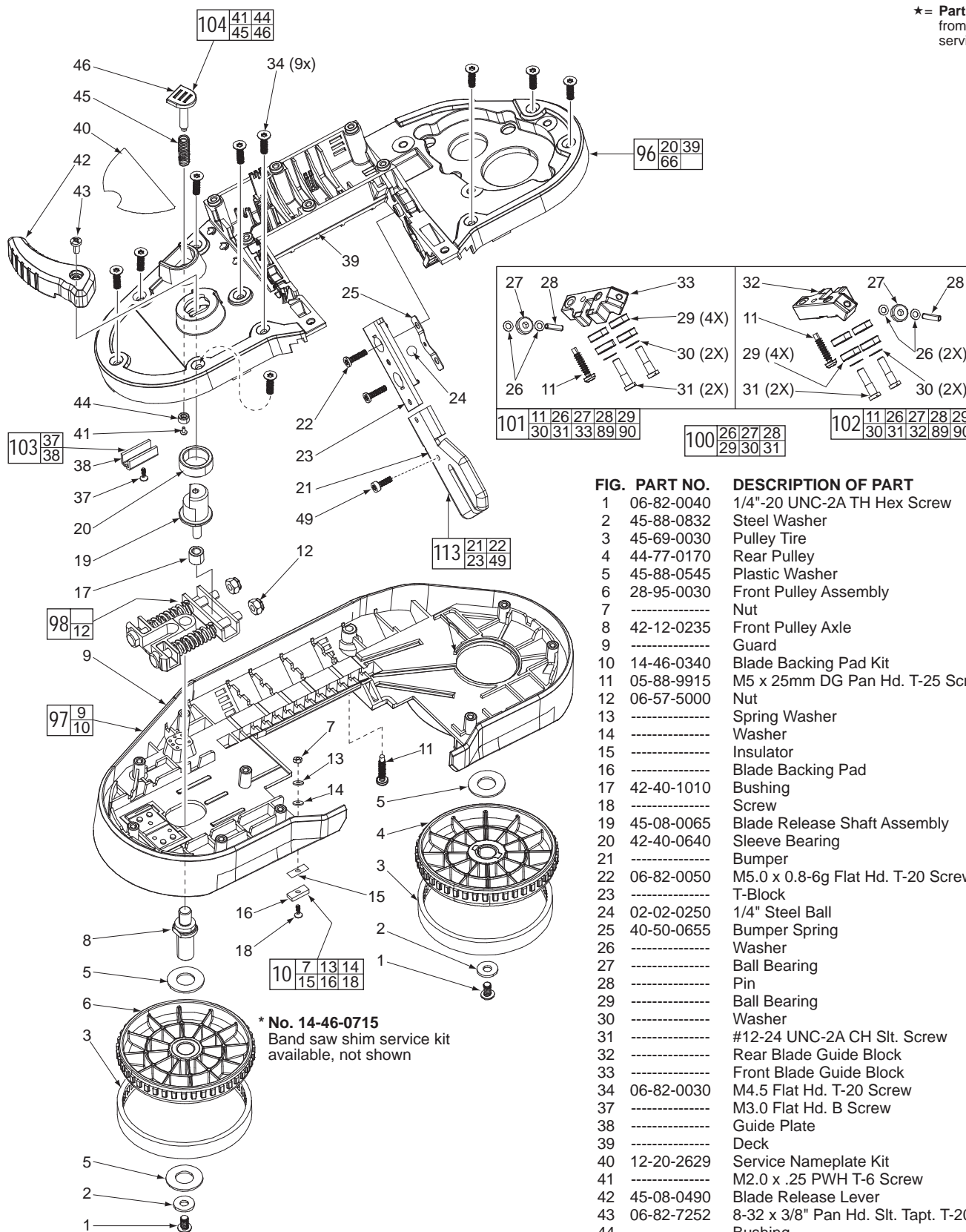
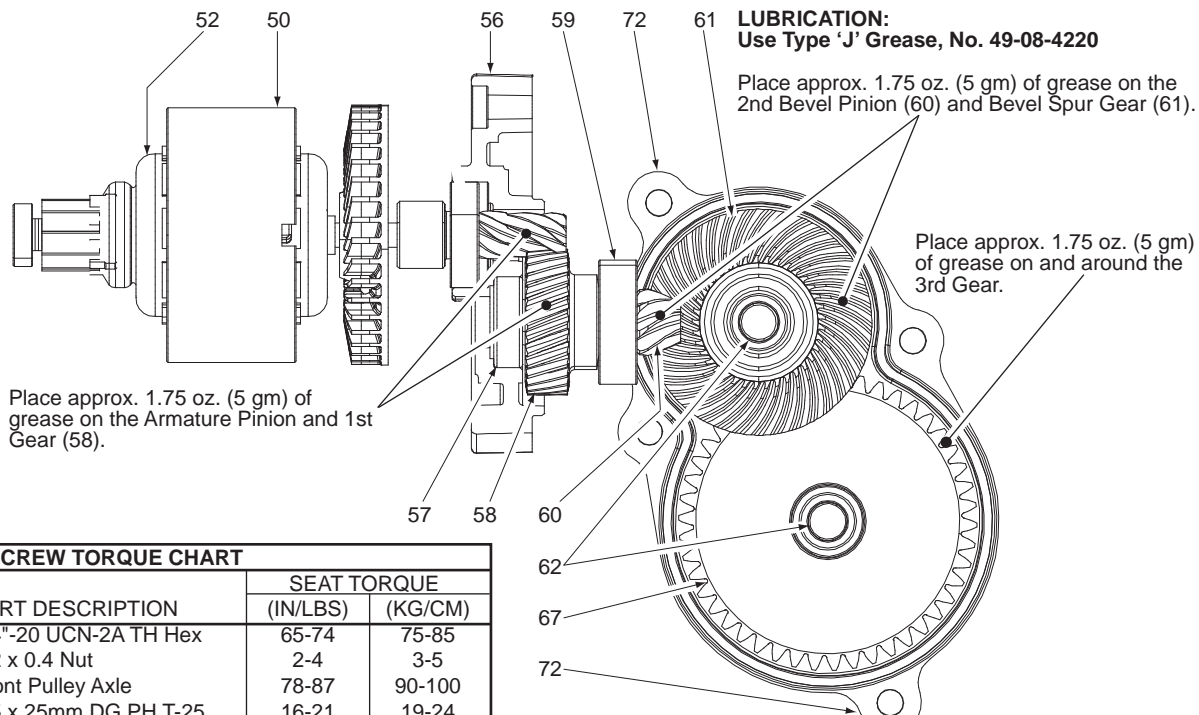


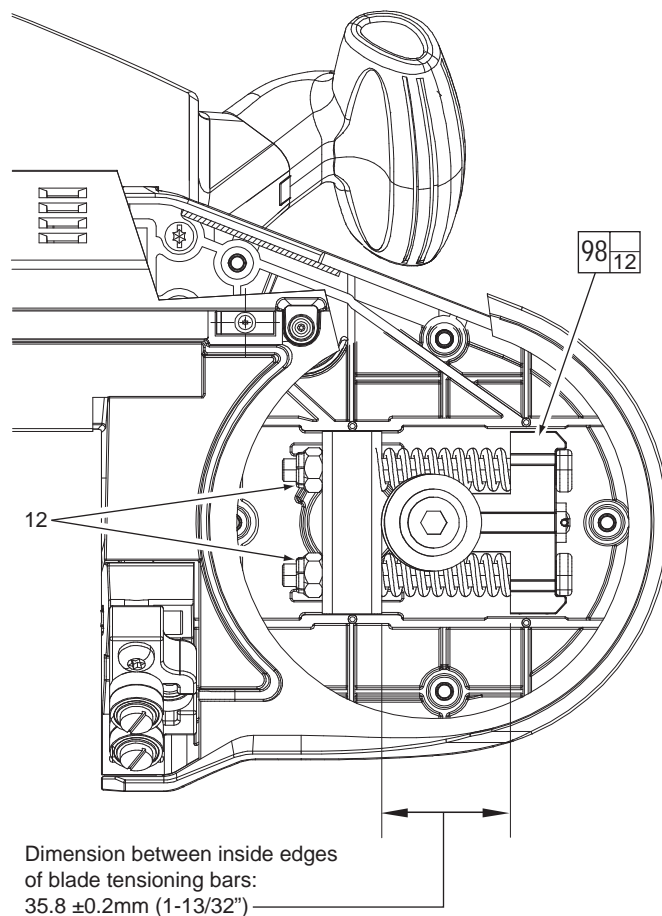
FIG. PART NO.	DESCRIPTION OF PART	NO. REQ.
1	06-82-0040 1/4"-20 UNC-2A TH Hex Screw	(2)
2	45-88-0832 Steel Washer	(2)
3	45-69-0030 Pulley Tire	(2)
4	44-77-0170 Rear Pulley	(1)
5	45-88-0545 Plastic Washer	(3)
6	28-95-0030 Front Pulley Assembly	(1)
7	Nut	(1)
8	42-12-0235 Front Pulley Axle	(1)
9	Guard	(1)
10	14-46-0340 Blade Backing Pad Kit	(1)
11	05-88-9915 M5 x 25mm DG Pan Hd. T-25 Screw	(3)
12	06-57-5000 Nut	(2)
13	Spring Washer	(1)
14	Washer	(1)
15	Insulator	(1)
16	Blade Backing Pad	(1)
17	Bushing	(1)
18	Screw	(1)
19	45-08-0065 Blade Release Shaft Assembly	(1)
20	42-40-0640 Sleeve Bearing	(1)
21	Bumper	(1)
22	06-82-0050 M5.0 x 0.8-6g Flat Hd. T-20 Screw	(2)
23	T-Block	(1)
24	02-02-0250 1/4" Steel Ball	(1)
25	40-50-0655 Bumper Spring	(1)
26	Washer	(4)
27	Ball Bearing	(2)
28	Pin	(2)
29	Ball Bearing	(8)
30	Washer	(4)
31	#12-24 UNC-2A CH Slit. Screw	(4)
32	Rear Blade Guide Block	(1)
33	Front Blade Guide Block	(1)
34	06-82-0030 M4.5 Flat Hd. T-20 Screw	(9)
37	M3.0 Flat Hd. B Screw	(1)
38	Guide Plate	(1)
39	Deck	(1)
40	12-20-2629 Service Nameplate Kit	(1)
41	M2.0 x .25 PWH T-6 Screw	(1)
42	45-08-0490 Blade Release Lever	(1)
43	06-82-7252 8-32 x 3/8" Pan Hd. Slit. Tapt. T-20 Screw	(1)
44	Bushing	(1)
45	Spring	(1)
46	Blade Ejection Pin	(1)
49	Bandsaw Fixed Material Guide w/ Screw	(1)
96	28-90-0015 Deck Assembly	(1)
97	28-41-0050 Guard Assembly	(1)
98	42-18-0025 Blade Tension Bar Assembly	(1)
100	14-46-0465 Guide Block Hardware Kit	(1)
101	42-28-0410 Front Guide Block Assembly	(1)
102	42-28-0420 Rear Guide Block Assembly	(1)
103	44-66-0325 Guide Plate Kit	(1)
104	44-60-0240 Blade Ejection Shaft Kit	(1)
113	42-38-0010 Bumper Assembly	(1)

- FIG. NOTE:**
- 24 Apply Loctite® Silver Grade Anti-Seize Stick 80209 (or equivalent) to Steel Ball.
- 8 Apply Loctite® Cleaner 755 (or equivalent) to Front Pulley Axle thread first then place a drop or two of Blue Loctite® 443 (or equivalent) to axle threads.
- 18,41 Apply a drop of Blue Loctite® 443 (or equivalent) to threads of each screw.
- 9,38 Apply Loctite® C5-A Copper Anti-Seize (or equivalent) to metal insert in Guard and to Guide Plate. Approximately .1g for each part.

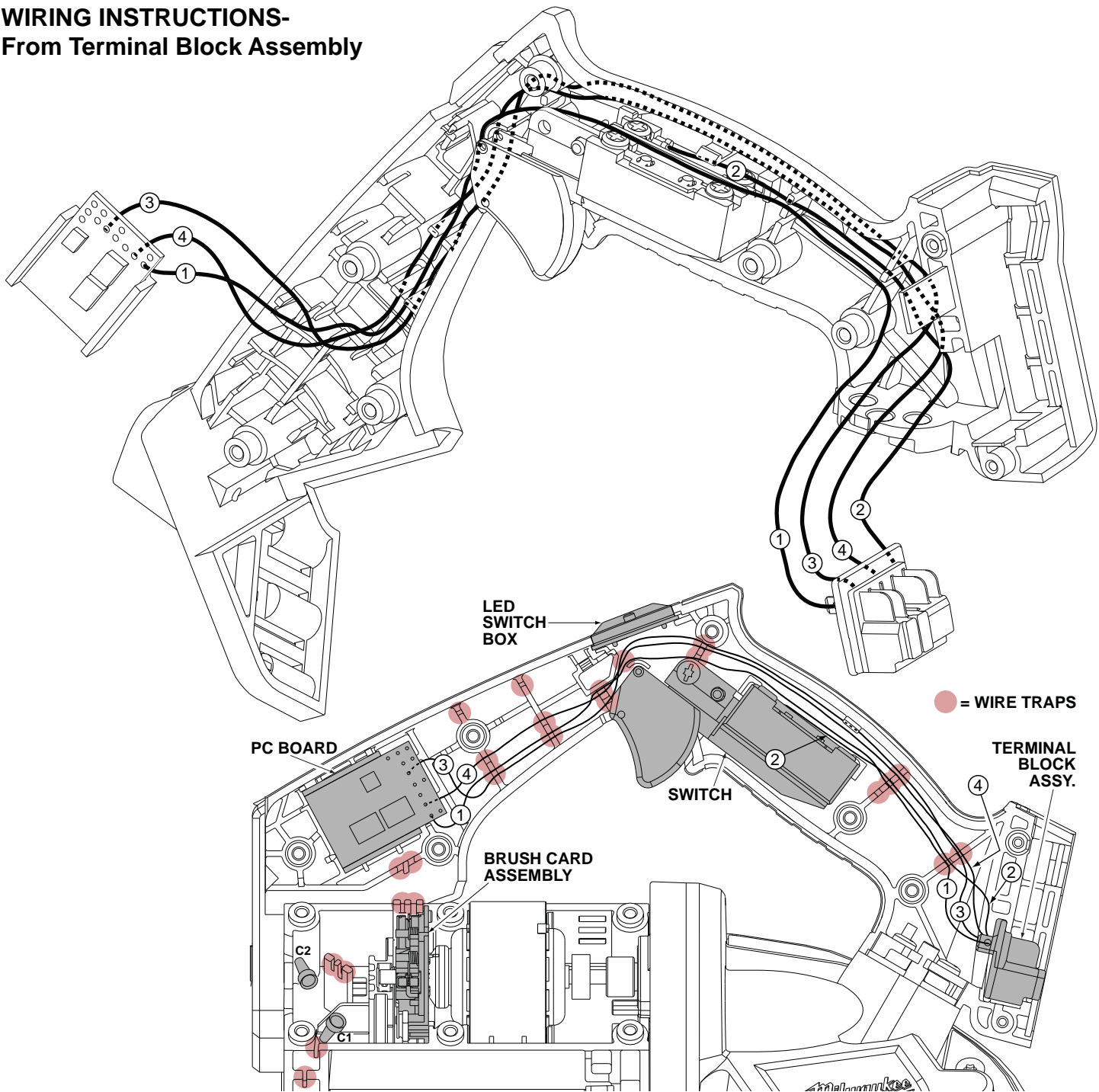




SCREW TORQUE CHART				
ITEM	PART NO.	PART DESCRIPTION	SEAT TORQUE	
			(IN/LBS)	(KG/CM)
1	06-82-0040	1/4"-20 UCN-2A TH Hex	65-74	75-85
7	-----	M2 x 0.4 Nut	2-4	3-5
8	42-12-0235	Front Pulley Axle	78-87	90-100
11	05-88-9915	M5 x 25mm DG PH T-25	16-21	19-24
12	06-57-5000	Flex-Loc Nut	To Assembly Length	
18	-----	M2 x 0.4 T-6	2-4	3-5
22	06-82-0050	M5 x .8-6g FH T-20	26-30	30-35
31	06-82-0120	#12-24 UNC-2A CH Slotted	39-48	45-55
34	06-82-0030	M4.5 FH T-20	16-21	19-24
35	06-82-5574	#10-24 x 7/8" PH T-25	39-48	45-55
36	06-82-0035	M5.0 PH T-20	22-26	25-30
37	06-82-0010	M3 FH B	6-9	7-10
41	06-82-0025	M2.0 x .25 PWH T-6	2-4	3-5
43	06-82-7252	#8-32 x 3/8" PH T-20	22-26	25-30
55	06-82-5320	#8-32 x 5/8" PH T-20	26-31	30-36
73	06-82-7261	#6-19 x 11/16" PH T-15	16-21	19-24
74	06-82-7270	#8-16 x 5/8" PH T-20	16-21	19-24
79	06-82-5294	1/4"-20 UNC-2A PH T-30	65-74	75-85
81	06-82-7251	#8-16 x 3/8" PH T-20	10-14	12-16
87	06-82-0045	3/8"-16 UNC-3A T-20	87-104	100-120
89	06-82-5316	#8-32 x 1/2" PH T-20	16-21	19-24



WIRING INSTRUCTIONS-  
From Terminal Block Assembly

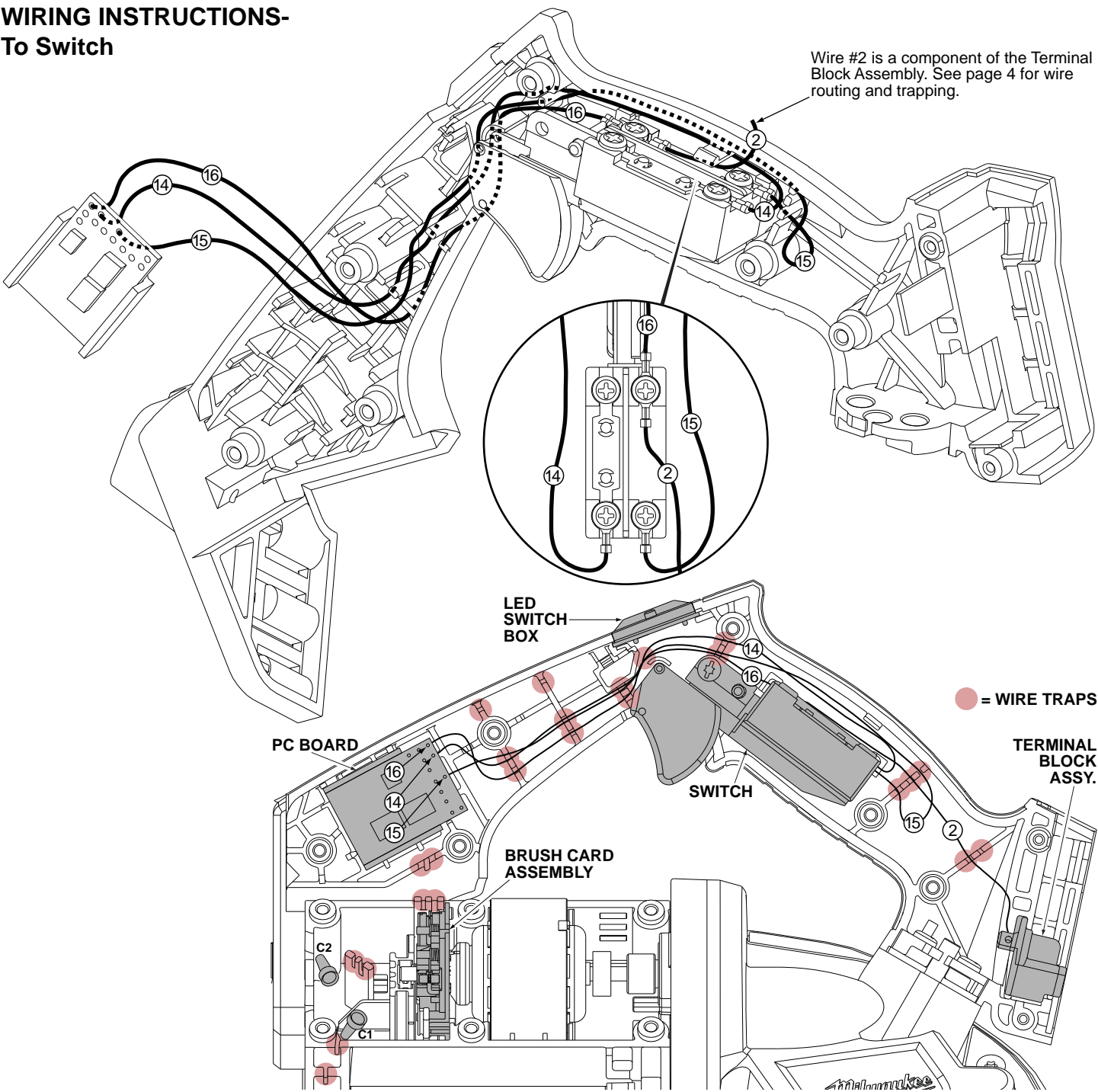


AS AN AID TO REASSEMBLY,  
TAKE NOTICE OF WIRE ROUTING AND  
POSITION IN WIRE GUIDES AND TRAPS  
WHILE DISMANTLING TOOL.

BE CAREFUL AND AVOID PINCHING  
WIRES BETWEEN HANDLE HALVES  
WHEN ASSEMBLING.

WIRING SPECIFICATIONS				
Wire No.	Wire Color	Origin or Gauge	Length	Terminals, Connectors and 1 or 2 End Wire Preparation
1	Black	Electronics Kit	-----	Connects from Terminal Block Assembly to PCB.
2	Red	Electronics Kit	-----	Connects from Terminal Block Assembly to Switch.
3	Black	Electronics Kit	-----	Connects from Terminal Block Assembly to PCB.
4	Pink	Electronics Kit	-----	Connects from Terminal Block Assembly to PCB.
5	White	Electronics Kit	-----	Connects from LED Switch Box to PCB.
6	Pink	Electronics Kit	-----	Connects from LED Switch Box to LED.
7	Black	Electronics Kit	-----	Connects from LED Switch Box to PCB.
8	Pink	Electronics Kit	-----	Connects from LED Switch Box to PCB.
9	Red	Electronics Kit	-----	Connects from PCB to Wire #13 from Brush Card with C1.
10	Black	Electronics Kit	-----	Connects from PCB to Wire #12 from Brush Card with C2.
11	Black	Electronics Kit	-----	Connects from PCB to LED.
12	Black	Brush Card Assy.	-----	Connects from Brush Card to Wire #10 from PCB with C2.
13	Red	Brush Card Assy.	-----	Connects from Brush Card to Wire #9 from PCB with C1.
14	Black	Electronics Kit	-----	Connects from PCB to Switch. (See detail on page 5).
15	Black	Electronics Kit	-----	Connects from PCB to Switch. (See detail on page 5).
16	Pink	Electronics Kit	-----	Connects from PCB to Switch. (See detail on page 5).

WIRING INSTRUCTIONS-  
To Switch



AS AN AID TO REASSEMBLY,  
TAKE NOTICE OF WIRE ROUTING AND  
POSITION IN WIRE GUIDES AND TRAPS  
WHILE DISMANTLING TOOL.

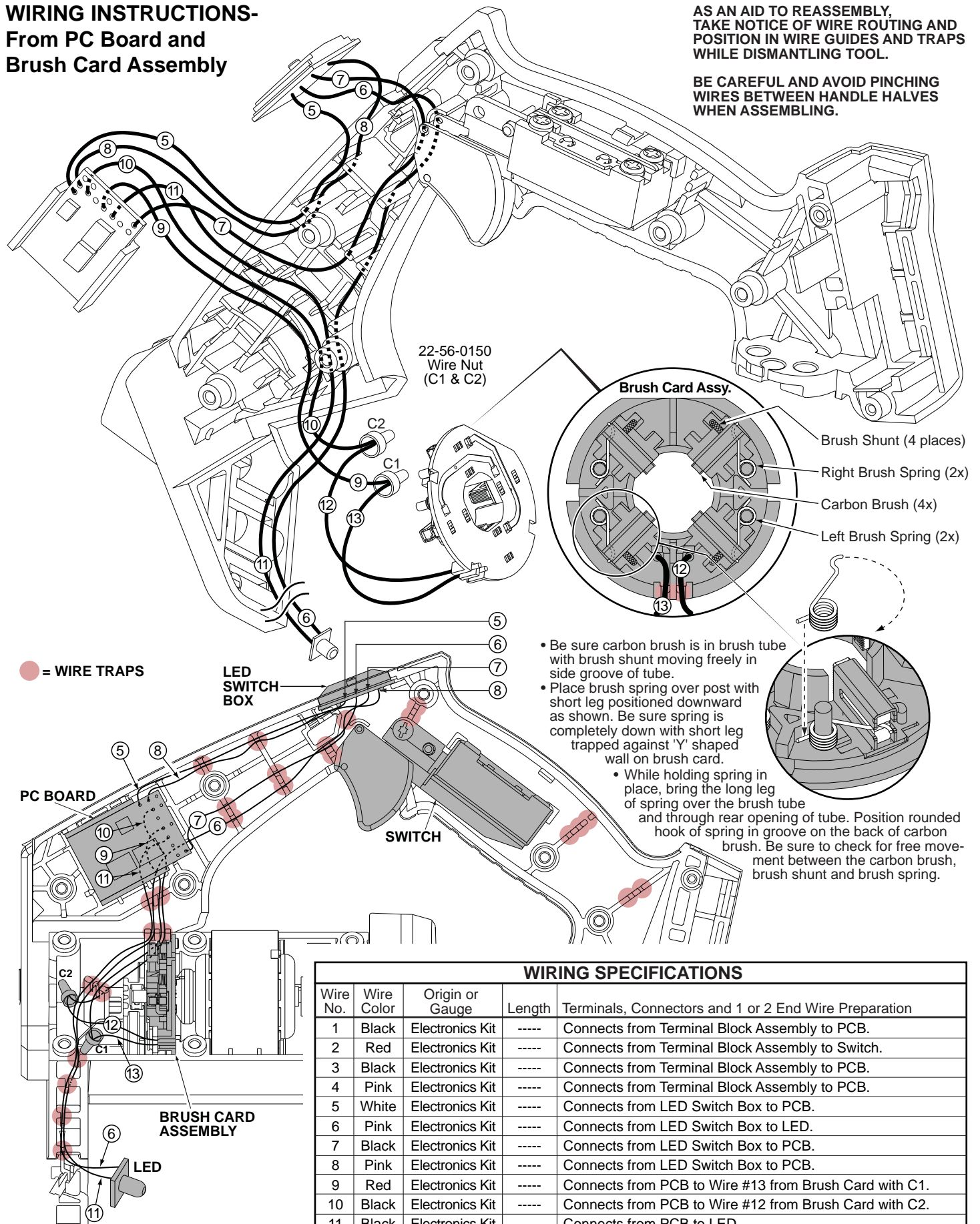
BE CAREFUL AND AVOID PINCHING  
WIRES BETWEEN HANDLE HALVES  
WHEN ASSEMBLING.

WIRING SPECIFICATIONS					
Wire No.	Wire Color	Origin or Gauge	Length	Terminals, Connectors and 1 or 2 End Wire Preparation	
1	Black	Electronics Kit	-----	Connects from Terminal Block Assembly to PCB.	
2	Red	Electronics Kit	-----	Connects from Terminal Block Assembly to Switch.	
3	Black	Electronics Kit	-----	Connects from Terminal Block Assembly to PCB.	
4	Pink	Electronics Kit	-----	Connects from Terminal Block Assembly to PCB.	
5	White	Electronics Kit	-----	Connects from LED Switch Box to PCB.	
6	Pink	Electronics Kit	-----	Connects from LED Switch Box to LED.	
7	Black	Electronics Kit	-----	Connects from LED Switch Box to PCB.	
8	Pink	Electronics Kit	-----	Connects from LED Switch Box to PCB.	
9	Red	Electronics Kit	-----	Connects from PCB to Wire #13 from Brush Card with C1.	
10	Black	Electronics Kit	-----	Connects from PCB to Wire #12 from Brush Card with C2.	
11	Black	Electronics Kit	-----	Connects from PCB to LED.	
12	Black	Brush Card Assy.	-----	Connects from Brush Card to Wire #10 from PCB with C2.	
13	Red	Brush Card Assy.	-----	Connects from Brush Card to Wire #9 from PCB with C1.	
14	Black	Electronics Kit	-----	Connects from PCB to Switch. (See detail on page 5).	
15	Black	Electronics Kit	-----	Connects from PCB to Switch. (See detail on page 5).	
16	Pink	Electronics Kit	-----	Connects from PCB to Switch. (See detail on page 5).	

# **WIRING INSTRUCTIONS-** **From PC Board and** **Brush Card Assembly**

AS AN AID TO REASSEMBLY, TAKE NOTICE OF WIRE ROUTING AND POSITION IN WIRE GUIDES AND TRAPS WHILE DISMANTLING TOOL.

BE CAREFUL AND AVOID PINCHING WIRES BETWEEN HANDLE HALVES WHEN ASSEMBLING.



## **WIRING SPECIFICATIONS**

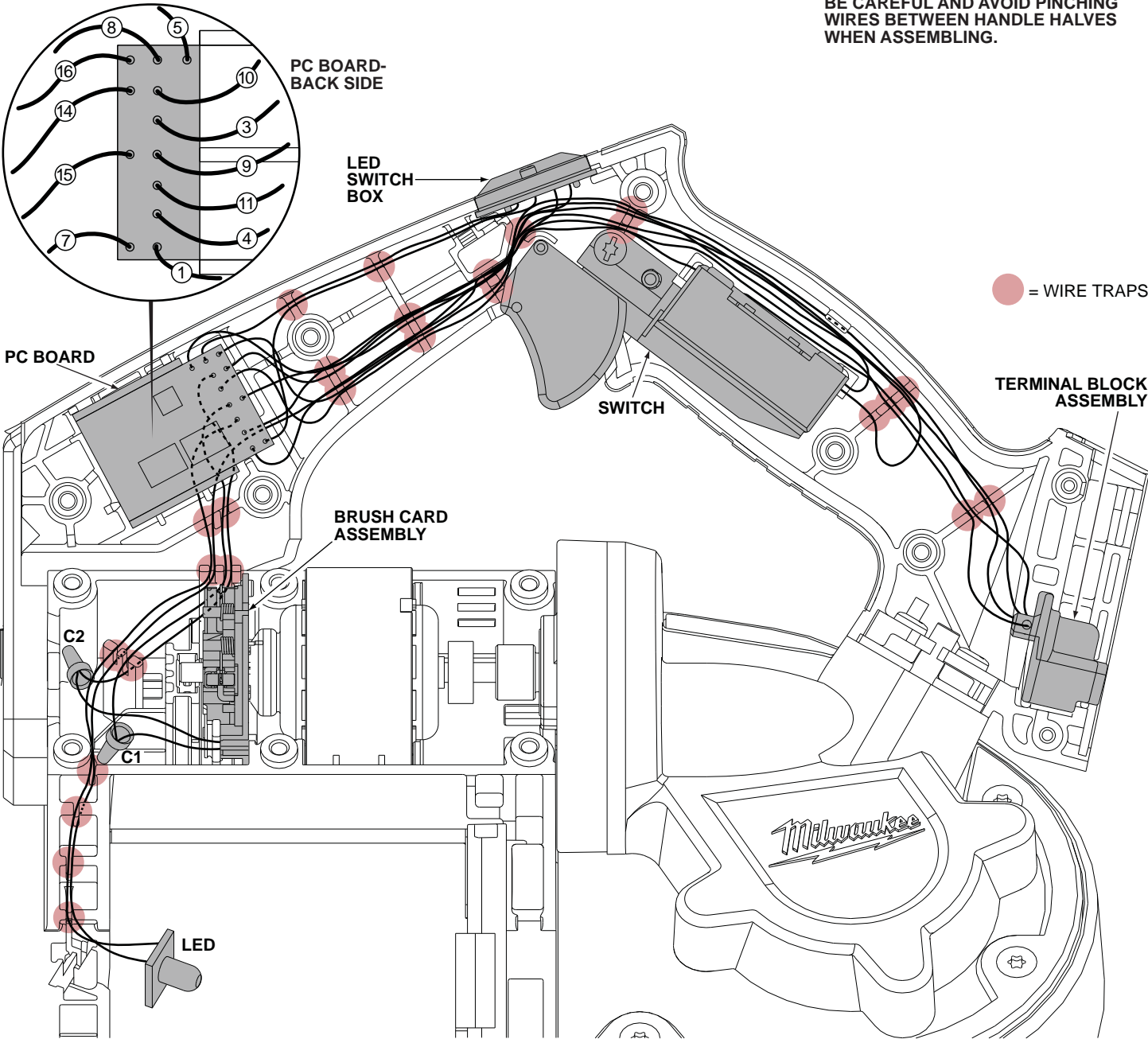
Wire No.	Wire Color	Origin or Gauge	Length	Terminals, Connectors and 1 or 2 End Wire Preparation
1	Black	Electronics Kit	-----	Connects from Terminal Block Assembly to PCB.
2	Red	Electronics Kit	-----	Connects from Terminal Block Assembly to Switch.
3	Black	Electronics Kit	-----	Connects from Terminal Block Assembly to PCB.
4	Pink	Electronics Kit	-----	Connects from Terminal Block Assembly to PCB.
5	White	Electronics Kit	-----	Connects from LED Switch Box to PCB.
6	Pink	Electronics Kit	-----	Connects from LED Switch Box to LED.
7	Black	Electronics Kit	-----	Connects from LED Switch Box to PCB.
8	Pink	Electronics Kit	-----	Connects from LED Switch Box to PCB.
9	Red	Electronics Kit	-----	Connects from PCB to Wire #13 from Brush Card with C1.
10	Black	Electronics Kit	-----	Connects from PCB to Wire #12 from Brush Card with C2.
11	Black	Electronics Kit	-----	Connects from PCB to LED.
12	Black	Brush Card Assy.	-----	Connects from Brush Card to Wire #10 from PCB with C2.
13	Red	Brush Card Assy.	-----	Connects from Brush Card to Wire #9 from PCB with C1.
14	Black	Electronics Kit	-----	Connects from PCB to Switch. (See detail on page 5).
15	Black	Electronics Kit	-----	Connects from PCB to Switch. (See detail on page 5).
16	Pink	Electronics Kit	-----	Connects from PCB to Switch. (See detail on page 5).



WIRING INSTRUCTIONS-  
All wire routings and  
trapping

AS AN AID TO REASSEMBLY,  
TAKE NOTICE OF WIRE ROUTING AND  
POSITION IN WIRE GUIDES AND TRAPS  
WHILE DISMANTLING TOOL.

BE CAREFUL AND AVOID PINCHING  
WIRES BETWEEN HANDLE HALVES  
WHEN ASSEMBLING.



WIRING SPECIFICATIONS				
Wire No.	Wire Color	Origin or Gauge	Length	Terminals, Connectors and 1 or 2 End Wire Preparation
1	Black	Electronics Kit	-----	Connects from Terminal Block Assembly to PCB.
2	Red	Electronics Kit	-----	Connects from Terminal Block Assembly to Switch.
3	Black	Electronics Kit	-----	Connects from Terminal Block Assembly to PCB.
4	Pink	Electronics Kit	-----	Connects from Terminal Block Assembly to PCB.
5	White	Electronics Kit	-----	Connects from LED Switch Box to PCB.
6	Pink	Electronics Kit	-----	Connects from LED Switch Box to LED.
7	Black	Electronics Kit	-----	Connects from LED Switch Box to PCB.
8	Pink	Electronics Kit	-----	Connects from LED Switch Box to PCB.
9	Red	Electronics Kit	-----	Connects from PCB to Wire #13 from Brush Card with C1.
10	Black	Electronics Kit	-----	Connects from PCB to Wire #12 from Brush Card with C2.
11	Black	Electronics Kit	-----	Connects from PCB to LED.
12	Black	Brush Card Assy.	-----	Connects from Brush Card to Wire #10 from PCB with C2.
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14	Black	Electronics Kit	-----	Connects from PCB to Switch. (See detail on page 5).
15	Black	Electronics Kit	-----	Connects from PCB to Switch. (See detail on page 5).
16	Pink	Electronics Kit	-----	Connects from PCB to Switch. (See detail on page 5).